

ABSTRACT OF THE DISCLOSURE

Device for the analysis of electromagnetic signals

5 The invention relates to a device for aiding the analysis of signals by using symbols-based digital modulation. The device comprises a signal memory for storing a complex digital signal, representative in amplitude and phase of a captured signal, over a chosen
10 duration, as well as processing means for searching for the properties relating to the carrier frequency of the complex signal and to its modulation. According to the invention, the processing means comprise projection means for calculating the components of the complex signal in a
15 function basis, parametrized according to an estimated tempo of the modulation, as well as calculation means, operating on these components so as to determine an estimate relating to a property of the complex signal, from among its elementary pulse shape, the string of
20 symbols of the complex signal and its carrier.